Integral M.2 SATA 6Gbps NGFF 22x80

64 GB 128 GB 256 GB

The Integral M.2 next generation form factor SATA 6Gbps MLC SSD delivers all of the advantages of flash memory technology for SATA based computers.

M.2 SATA SSD storage solutions are designed for Notebooks, Desktops, Ultrabooks and tablets. They address the need for more low powered compact storage without compromising performance and reliability of solid state drives.

FEATURES

- M.2 2280 form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Supports 'M' & 'B' Key sockets
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard with M.2 M and B connectors
- Non-volatile Flash Memory for outstanding data retention - Less likely to fail than HDD
- Ultra-efficient Block Management and Static and Dynamic Wear Leveling
- Lower Power Consumption
- Shock resistance - No moving parts enable the product to be used in tougher conditions
- Silent operation - Noiseless and low heat dissipation
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- Supports TRIM
- RoHS compliant
- CE and FCC tested
- Warranty – 3 Years

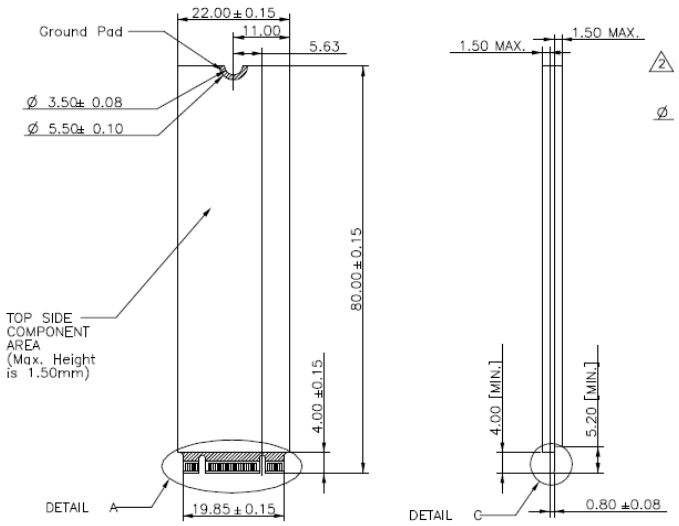
Product Specification

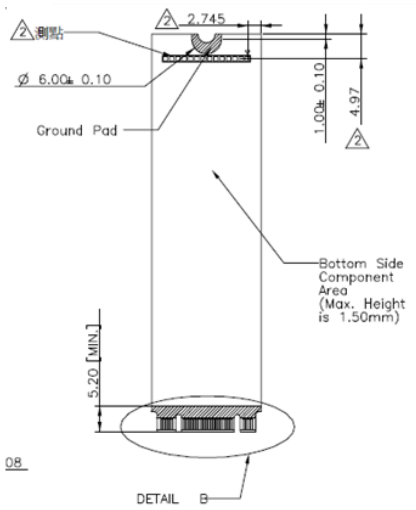
PERFORMANCE Sequential Speed (up to)		
64GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
128GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
256GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
INTERFACE		
Interface		SATA III 6Gbps Also Compatible with SATA II 3Gbps and SATA 1.5Gbps
NAND		MLC
Form Factor		M.2 22x80 'M' & 'B' Key connector
Standard		M.2 (previously known as Next Generation Form Factor (NGFF))
POWER CONSUMPTION		
Supply Voltage		3.3V
Power Consumption (mA)		Read: 64GB = 1465 / 128GB = 1760 / 256GB = 1960
		Write: 64GB = 1260 / 128GB = 1410 / 256GB = 1730
		Idle = 285 DEVSLP = 4.9
ECC algorithm		Supports 72bit ECC correct per 1K Byte
MTBF		>2 Million Hours
ENVIRONMENTAL		
Operating Temp		0° to +70°C
Non - Operating Temp		-40° to +85°C
Humidity		RH 90% under 40C in operation
Supports SMART Software		Yes
Supports TRIM		Yes (OS support required)
Compliancy		CE, FCC, RoHS
PHYSICAL		
Length		80mm
Width		22mm
Height		3.8mm
Weight		6g
Length (Packed)		11.5mm
Width (Packed)		13.2mm
Height (Packed)		5.7mm
Weight (Packed)		56g
WARRANTY		
3 years		

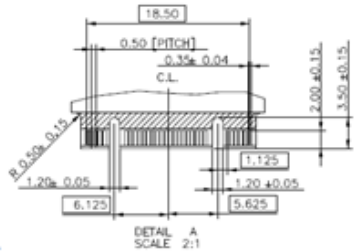
*Based on internal testing

CAPACITY	PART CODE	BARCODE (EAN)
64GB	INSSD64GM.26M2280	5055288427419
128GB	INSSD128GM.26M2280	5055288427402
256GB	INSSD256GM.26M2280	5055288427587

1GB = 1,000,000,000 bytes. Formatted capacity is less.
This device should not be used as your sole backup.
Product design and specification subject to change or modification without notice. E&OE.
All trademarks acknowledged.
For warranty information please visit www.integralmemory.com/warranty







Notes :
1. ▨ = Max Component Height is
2. ▨ = No Component
3. ▨ = No Component / Signal Vias / Signal Copper/Print
4. General Tolerance : ±0.15mm